

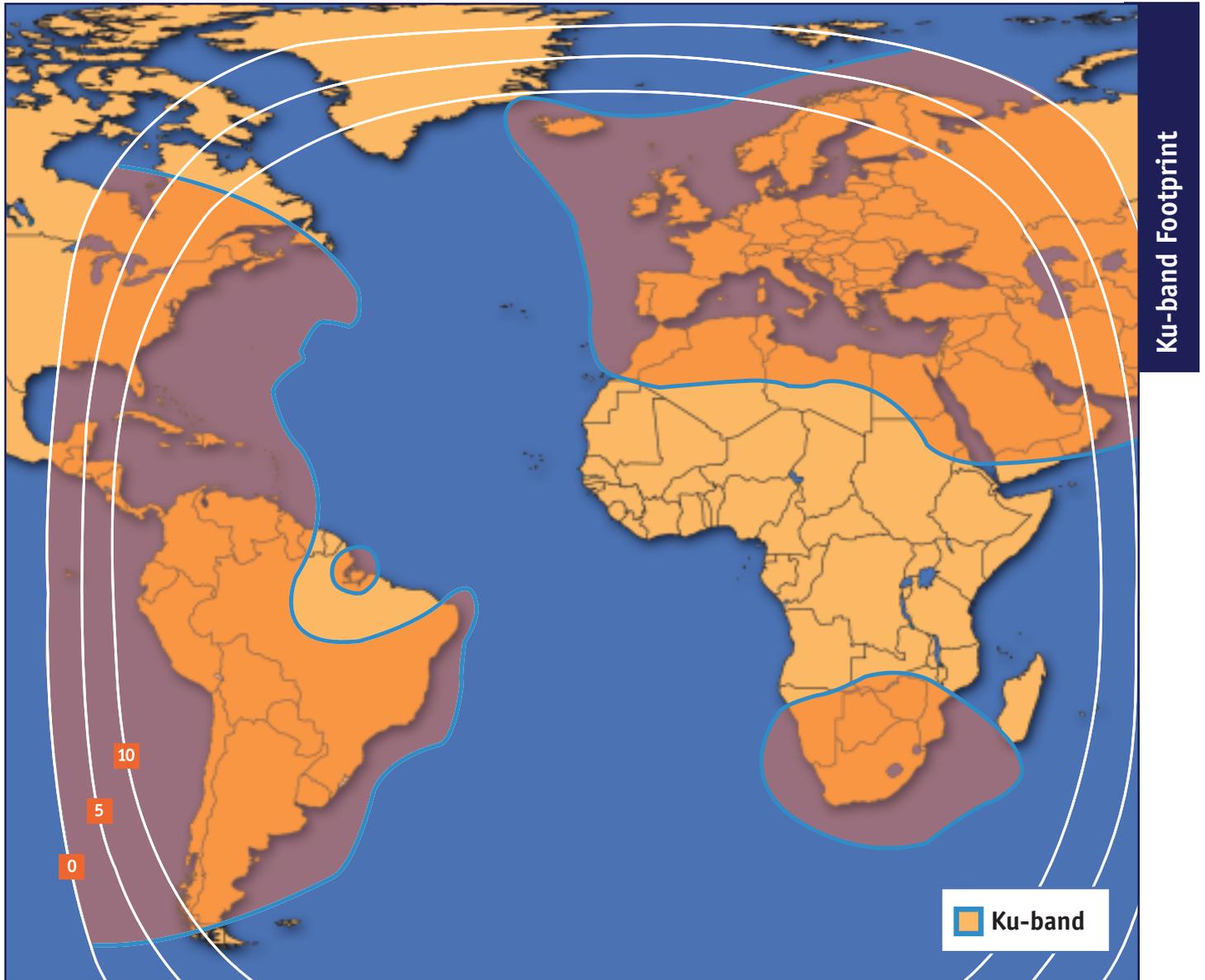
# Telstar 12 15° W



## COVERAGE

Telstar 12 is a Ku-band satellite with coverage of North America as far West as Cleveland, Ohio; the majority of South America; Europe as far East as the United Arab Emirates and South Africa. Telstar 12 also has the capability to provide intercontinental connectivity including trans-Atlantic to the Mid-East.

**Began Service**  
December 1999



## Ku-band Payload

### Transponders

38 Ku-band:  
38 @ 54 MHz

### Polarization

Orthogonal Linear

### Frequency

Uplink:

European dedicated – 14.0 to 14.25 GHz  
European shared – 14.25 to 14.5 GHz  
European extended – 13.75 to 14 GHz  
Pan American – 14 to 14.5 GHz

Downlink:

European dedicated – 12.5 to 12.75 GHz  
European shared – 11.45 to 11.7 GHz  
European extended – 10.95 to 11.2 GHz  
Pan American – 11.7 to 12.2 GHz

### Saturation Flux Density

-74 to -94 dBW/m<sup>2</sup>

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## EIRP AND G/T TABLES

### Pan America

Location	Typical EIRP (dBW)	Typical G/T (dB/K)
Bogotá, Colombia	49.1	2.3
Boston, Massachusetts, U.S.	49.6	2.2
Buenos Aires, Argentina	50.0	3.0
Caracas, Venezuela	49.3	2.0
Lima, Peru	48.3	1.3
Miami, Florida, U.S.	48.2	1.0
New York, New York, U.S.	49.5	2.2
Rio de Janeiro, Brazil	48.8	2.0
San Juan, Puerto Rico, U.S.	48.7	2.0

### Europe

Location	Typical EIRP (dBW)	Typical G/T (dB/K)
Al-Kuwayt, Kuwait	45.2	-0.3
Athens, Greece	50.8	1.6
Baghdad, Iraq	50.7	2.7
Geneva, Switzerland	50.8	2.3
Istanbul, Turkey	50.7	1.6
Johannesburg, South Africa	46.7	-0.1
London, England	50.2	2.5
Madrid, Spain	50.3	2.1
Mosul, Iraq	50.8	2.6
Oslo, Norway	49.8	1.7
Riyadh, Saudi Arabia	44.0	-2.2
Rome, Italy	51.3	2.0
Sarajevo, Bosnia & Herzegovina	51.4	1.7

### Americas

**Bedminster, NJ (Headquarters)**  
+1.908.470.2300  
+1.888.759.6382 (24-hour service)

**Rockville, MD**  
+1.800.786.7466  
+1.301.258.8101

**Washington, DC  
Government Sales**  
+1.703.414.1040

**Rio de Janeiro, Brazil  
(Loral Skynet do Brasil)**  
+55 (21).3211.9701/02/03

### Europe, Middle East and Africa

**London, United Kingdom**  
+44 (0).20.7297.2067

**Munich, Germany**  
+49.89.2060.310

### Asia Pacific

**Singapore, Singapore**  
+65.6253.4480

**Beijing, China**  
+86.10.8520.0125/26

**Bangalore, India**  
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